

**IMPROVED MAGNETIC MICROACTUATOR FOR DISC DRIVES
WITH INTEGRATED HEAD CONNECTIONS AND LIMITERS**

ABSTRACT OF THE DISCLOSURE

A microactuator design and fabrication method for an improved magnetic microactuator incorporating mechanical stroke limiters and integrated connections between the flex on suspension and slider. The stroke limiters, also referred to as a bumper system, and integrated connections enable low power, mechanically robust operation of the microactuator during high seek operations. In addition, improved head gimbal assembly yield results due to the integrated head connections formed on the microactuator.